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Insurance Building 43, Taepyeongno2-Ga, Jung-Gu, Seoul  
100-733 (KR).

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(72) Inventors; and

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(75) Inventors/Applicants (for US only): **CHANG, Sung-Cheol** [KR/KR]; Expo Apt. 106-408, Jeonmin-dong, Yuseong-gu, Daejeon-city 305-390 (KR). **CHA, Jae-Sun** [KR/KR]; Youlmaemaoul Apt. 403-801, Jijok-dong, Yuseong-gu, Daejeon-city 360-090 (KR). **KIM, Kyung-Soo** [KR/KR]; Hanul Apt. 109-1702, Shinseong-dong, Yuseong-gu, Daejeon-city 305-345 (KR). **AHN, Jee-Hwan** [KR/KR]; 149-7, Sinseong-dong, Yuseong-gu, Daejeon-city 305-720 (KR).

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(74) Agent: **YOU ME PATENT AND LAW FIRM**; Seolim Bldg., 649-10, Yoksam-dong, Kangnam-ku, Seoul 135-080 (KR).

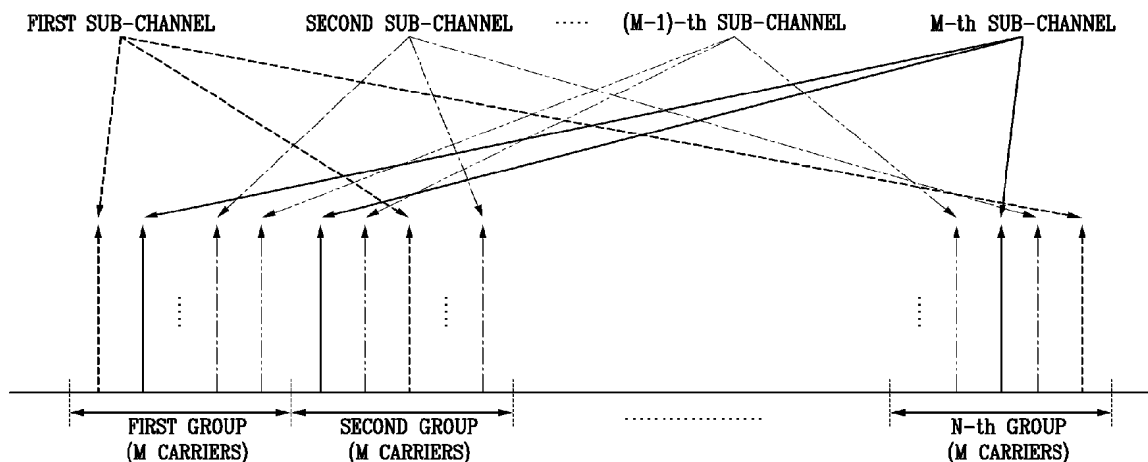
(71) Applicants (for all designated States except US): **Electronics and Telecommunications Research Institute** [KR/KR]; 161, Gajeong-dong, Yuseong-gu, Daejeon 305-350 (KR). **SAMSUNG ELECTRONICS CO., LTD.** [KR/KR]; 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, 442-742 (KR). **SK TELECOM CO., LTD** [KR/KR]; 99, Seorin-dong, Jongro-gu, Seoul 110-728 (KR). **KT Corporation** [KR/KR]; 206, Jungja-dong, Bundang-gu, Seongnam-city, Gyeonggi-do, 463-711 (KR). **KTFreetel Co., Ltd.** [KR/KR]; 890-20, Daechi-dong, Gangnam-gu, Seoul 135-280 (KR). **HANARO TELECOM., INC.** [KR/KR]; Shindongah Fire & Marine

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(54) Title: METHOD FOR CONSTITUTING LAYERED CELL IN OFDMA SYSTEM



(57) Abstract: Disclosed is a method for constituting a layered cell, which is for constituting a cell in an OFDMA (Orthogonal Frequency Division Multiple Access) mobile communication system. The method includes: (a) dividing L carriers having orthogonality into M sub-channels; (b) dividing the carriers into N groups each having the M sub-channels; (c) grouping the N groups by an arbitrary integer into K classes; and (d) constituting a plurality of layered cells corresponding to the K classes. According to the present invention, the conception of the independent classes is introduced for a plurality of carriers to facilitate the use of the carriers to a system requiring an independent wireless area, allowing design of sectors and cells at a single frequency.

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